

RESPONSE UNDER 37 C.F.R. § 1.116
EXPEDITED PROCEDURE – Art Unit 1632
Attorney Docket No. 54269.8002.US01

AMENDMENT

22 (currently amended). An antibody characterized by having binding affinity to a sperm cell, wherein a the sperm cell bound with the antibody retains the ability to fertilize an oocyte.

23 (previously presented). The antibody in claim 22 wherein the sperm cell is a human sperm cell.

24 (previously presented). The antibody in claim 22 wherein the sperm cell is selected from the group consisting of a mouse sperm cell, a bovine sperm cell, a pig sperm cell, a chicken sperm cell, a sheep sperm cell, and a goat sperm cell.

25 (previously presented). The antibody in claim 22 wherein the binding affinity to sperm cells is further characterized by the ability to bind to the sperm cells from a plurality of species of animal.

26 (currently amended). The antibody in claim 22 also exhibiting binding properties to a polynucleotide-DNA such that upon fertilization, the polynucleotide-DNA is introduced into the oocyte.